

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

Sheet 1 of 2

Application Number	09/776,125
Filing Date	February 2, 2001
First Named Inventor	Seth A. Foerster et al.
Group Art Unit	3731
Examiner Name	
Attorney Docket Number	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
JLB		6,071,301		Cragg et al.	06/06/2000	ALL
		6,174,330 B1		Stinson	01/16/2001	ALL
		6,183,497 B1		Sing et al.	02/06/2001	ALL
		6,214,045 B1		Corbitt, Jr. et al.	04/10/2001	ALL
		5,487,392		Haaga	01/30/1996	ALL
		5,626,611		Liu et al.	05/06/1997	ALL
		5,676,146		Scarborough	10/14/1997	ALL
JLB		B1 5,676,146		Scarborough	04/18/2000	All

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵				
JLB		WO	00/78228 A1		CHIN SING et al.	28-12-2000	ALL	
JLB		WO	98/10712		SCARBOROUGH, Nelson, L.	19-03-1998	ALL	
JLB		WO	95/13746		HAGGA, John B.	26-05-1995	ALL	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JLB		PARKER and KLAUS; From the RSNA Refresher Course: Performing a Breast Biopsy With Directional, Vacuum-assisted Biopsy Instrument; Radiographics Vol 17/5, 1997, pp 1233-1252	
		LEONARD et al.; USE OF ULTRASOUND TO GUIDE RADIATION BOOST PLANNING FOLLOWING LUMPECTOMY FOR CARCINOMA OF THE BREAST; Int. Journal Radiation Oncology, Vol 27, 1993, pp 1193-1197	
		THOMSON et al.; Stereotactic Brain Biopsy Using a Narrow Aperture Computed Tomography Scanner, Clinical Radiology, vol 35, 1984, pp 209-214.	
		SEoudi et al; Stereotactic Core Needle Biopsy of Nonpalpable Breast Lesions: Initial Experience With a Promising Technique; Arch. Surgery, Vol. 133, April 1998; pp 366-372	
		HOFMANN et al.; Biodegradable Implants in Orthopaedic Surgery - A Review on the State-of-the-Art; Clinical Materials; Vol 10, 1992; pp 75-80	
JLB		PARKER and BURBANK; A Practical Approach to Minimally Invasive Breast Biopsy; Radiology, vol 200, 1996, pp 11-20. Letters; Letters to the American Journal of Radiology; AJR vol. 184, January 1995, pp 260-261	
Examiner Signature	Norman P. Bartsch		Date Considered
			12/20/04

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1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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		Number	Kind Code ² (if known)			
MJB		4,197,846		Bucalo	04/15/80	ALL
		4,247,406		Widder et al.	01/27/81	ALL
		4,718,897		Elves	1-12-1988	ALL
		4,787,391		Electronics	11-29-1988	ALL
		5,108,421		Fowler	04-28-1992	ALL
		5,122,147		Sewell	06-16-1992	ALL
		5,201,314		Bosley et al.	04-13-1993	ALL
		5,718,237		Haaga	02-17-1998	ALL
		5,873,904		Ragheb et al.	02-23-1999	ALL
		5,879,357		Heaton et al.	03-09-1999	ALL
		6,161,034		Burbank et al.	12-12-2000	ALL
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		Office ³	Number ⁴	Kind Code ⁵				
MJB		WO	00/24320	A1	Esposito et al.	05-04-2000	ALL	
		JP	9-66063	A	Koken Co., LTD (Translation)	03-11-1997	ALL	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

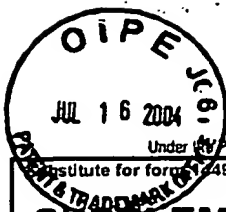
Examiner's Initials [*]	Cite No. ¹	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MJB		LEE and KNOCHER; Technical Developments and Instrumentation: Air as an Ultrasound Contrast Marker for Accurate Determination of Needle Placement; Radiology 143; June 1982; pp 787-788 SULLIVAN; Perspective: Needle Core Biopsy of Mammographic Lesions; AJR vol. 62, March 1994 (received 9/20/1993) pp 601-608.	
		YANDOW and MATAJANA; Gas Contrast Guided Needle Biopsy of the Head of the Pancreas; Radiology vol. 137, November 1980; pp 543 - 544.	
		LEE et al.; Air as a Contrast Marker for Ultrasound-Guided Fetal Transfusions; Radiology, vol 138, Feb. 1981, pp 490-491.	
Examiner Signature		<i>Don E. Barte</i>	Date Considered
			12/20/04

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	09/776,125
Filing Date	February 2, 2001
First Named Inventor	Seth A. Foerster et al. ✓
Group Art Unit	3731
Examiner Name	Jessica Baxter
Attorney Docket Number	END -723

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
JLB		3,592,185		Ephraim, et al.	07-13-1971	ALL
		4,087,791		Lemberger	05-02-1978	ALL
		4,541,438		Parker, et al.	09-17-1985	ALL
		4,735,210		Goldenberg	04-05-1988	ALL
		4,735,796		Gordon	04-05-1988	ALL
		5,041,826		Milheiser	08-20-1991	ALL
		5,101,827		Goldenberg	04-07-1992	ALL
		5,114,703		Wolf, et al.	05-19-1992	ALL
		5,127,916		Spencer, et al.	07-07-1992	ALL
		5,300,120		Knapp, et al.	04-05-1994	ALL
		5,433,751		Christel, et al.	07-18-1995	ALL
		5,437,279		Gray	08-01-1995	ALL
		5,470,308		Edwards, et al.	11-28-1995	ALL
		5,482,040		Martin, Jr.	01-09-1996	ALL
		5,496,536		Wolf	03-05-1996	ALL
JLB		5,514,379		Weissleder, et al.	05-07-1996	ALL
		5,555,885		Chance	09-17-1996	ALL
		5,579,766		Gray	12-03-1996	ALL
JLB		5,582,172		Papisov, et al.	12-10-1996	ALL

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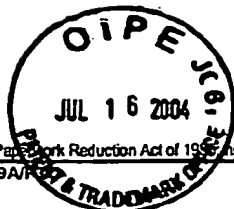
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁴
		Office ³	Number ⁴	Kind Code ⁵				
JLB		WO	98/09247	A1	Cothren, et al.	03-05-1998	ALL	
JLB		WO	98/52617	A2	McIntire, et al.	11-26-1998	ALL	

Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

Application Number	09/776,125
Filing Date	February 2, 2001
First Named Inventor	Seth A. Foerster et al.
Group Art Unit	3731
Examiner Name	Jessica Baxter
Attorney Docket Number	END -723

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
JLB		5,595,177		Mena, et al.	01-21-1997	ALL
		5,674,288		Knapp, et al.	10-07-1997	ALL
		5,697,902		Goldenberg	12-16-1997	ALL
		5,716,407		Knapp, et al.	02-10-1998	ALL
		5,725,578		Knapp, et al.	03-10-1998	ALL
		5,732,704		Thurston, et al.	03-31-1998	ALL
		5,776,093		Goldenberg	07-07-1998	ALL
		5,776,094		Goldenberg	07-07-1998	ALL
		5,803,913		Khalkhali, et al.	09-08-1998	ALL
		5,810,806		Ritchart, et al.	09-22-1998	ALL
		5,855,609		Knapp	01-05-1999	ALL
		5,857,463		Thurston, et al.	01-12-1999	ALL
		5,868,778		Gershony, et al.	02-09-1999	ALL
		5,895,640		Khalkhali	04-20-1999	ALL
		5,899,865		Chance	05-04-1999	ALL
JLB		5,913,857		Ritchart, et al.	06-22-1999	ALL
		5,970,986		Bolz, et al.	10-26-1999	ALL
		5,977,431		Knapp, et al.	11-02-1999	ALL

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TECHNOLOGY CENTER 3700**FOREIGN PATENT DOCUMENTS**

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		Office ³	Number ⁴	Kind Code ⁵				
JLB		WO	99/25248	A1	Carroll	05-27-1999		
JLB		WO	99/46284	A2	Rajotte, et al.	09-16-1999		

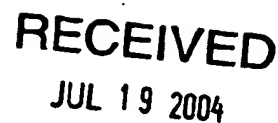
Examiner Signature	<i>Jessica K. Barker</i>	Date Considered	12/20/04
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Examiner Signature	<i>Norman P. Baulk</i>	Date Considered	12	20/01
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JAB		Re. 35,391		Brauman	12-03-1996	ALL
		3,194,239		Sullivan	01-16-1963	ALL
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		5,085,629		Golberg et al.	02-04-1992	ALL
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		5,274,074		Tang et al.	12-28-1993	ALL
		5,433,751		Christel et al.	07-18-1995	ALL
	5,470,308		Edwards et al.	11-28-1995	ALL	
	5,514,379		Weissleder et al.	05-07-1996	ALL	
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JAB	2001/0034528	A1	Foerster et al.	10-25-2001	ALL	
Examiner Signature	Mona P. Bunker			Date Considered	12/20/04	



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JLB		WANG HOM-LAY et al. "Evaluation of an Absorbable Collagen Membrane in Treating Class II Furcation Defects"; pp 1029-1036. November 1994.	
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		MACKINNON, SUSAN E. "Clinical Nerve Reconstruction with a Bioabsorbable Polyglycolic Acid Tube." <u>Plastic and Reconstructive Surgery</u> . March 1990.	
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		TONG, XIAO-JIE, et al.; "Sciatic Nerve Regeneration Navigated by Laminin-Fibronectin Double Coated Biodegradable Collagen Grafts in Rats." <u>BRAIN RESEARCH</u> 663 (1994) Pp. 155-162.	
		MATSUSUE, YOSHITAKA, et al.; "In Vitro and In Vivo Studies on Bioabsorbable Ultra-High-Strength Poly (L-Lactide) Rods." <u>Journal of Biomedical Materials Research</u> (1992) Vol. 26, Pp. 1553-1567.	
JLB		HUTMACHER, DIETMAR. "A Review of Material Properties of Biodegradable and Bioresorbable Polymers and Devices for GTR and GBR Applications." <u>The International Journal of Oral & Maxillofacial Implants</u> . (1996) Vol. 11 No 5. Pp. 667-678.	
Examiner Signature	Jordan R. Baxter		Date Considered 12/20/04

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
JRB		4,248,214		Hannah, et al.	02-03-1981	ALL
JRB		4,541,438		Parker, et al.	09-17-1985	ALL
		4,592,356		Gutierrez	06-03-1986	ALL
		4,774,948		Markham	10-04-1988	ALL
		4,799,495		Hawkins, et al.	01-24-1989	ALL
		4,813,422		Fisher, et al.	03-21-1989	ALL
		4,817,622		Pennypacker, et al.	04-04-1989	ALL
		4,852,568		Kensey	08-01-1989	ALL
		4,966,583		Debbas	10-30-1990	ALL
		4,986,279		O'Neill	01-22-1991	ALL
		5,014,713		Roper, et al.	05-14-1991	ALL
JRB		5,018,530		Rank, et al.	05-28-1991	ALL

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵				
JRB		EP	0 894 503	A2	Stinson	08-06-1998	ALL	
JRB		PCT	00/38579	A2	Sirimanne, et al.	12-23-1999	ALL	

Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite to No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
JRB		5,080,655		Haaga	01-14-1992	ALL
		5,083,570		Mosby	01-28-1992	ALL
		5,158,084		Ghiatas	10-27-1992	ALL
		5,195,988		Haaga	03-23-1993	ALL
		5,197,482		Rank, et al.	03-30-1993	ALL
		5,221,269		Miller, et al.	06-22-1993	ALL
		5,325,857		Nabai, et al.	07-05-1994	ALL
		5,334,216		Vidal, et al.	08-02-1994	ALL
		5,353,804		Kornberg, et al.	10-11-1994	ALL
		5,388,588		Nabai, et al.	02-14-1995	ALL
		5,394,886		Nabai, et al.	03-07-1995	ALL
JRB		5,409,004		Sloan	04-25-1995	ALL

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		Office ³	Number ⁴	Kind Code ⁵				

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 3 of 5	Application Number	09/776, 125
	Filing Date	February 2, 2001
	First Named Inventor	Foerster, Seth A., et al.
	Group Art Unit	3731
	Examiner Name	Jessica R. Baxter
	Attorney Docket Number	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
JRB		5,423,321		Fontenot	06-13-1995	ALL
		5,467,780		Nabai, et al.	11-21-1995	ALL
		5,479,936		Nabai, et al.	01-02-1996	ALL
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		5,487,392		Haaga	01-30-1996	ALL
		5,517,997		Fontenot	05-21-1996	ALL
		5,526,822		Burbank, et al.	06-18-1996	ALL
		5,556,410		Mittermeir, et al.	09-17-1996	ALL
		5,571,182		Ersek, et al.	11-05-1996	ALL
		5,647,374		Cutrer	07-15-1997	ALL
		5,660,185		Shmulewitz, et al.	08-26-1997	ALL
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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵				

Examiner Signature	<u>Jessica R. Baxter</u>	Date Considered	<u>12/20/04</u>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 4 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
JRB		5,807,276		Russin	09-15-1998	ALL
		5,873,904		Ragheb, et al.	02-23-1999	ALL
		5,980,564		Stinson	11-09-1999	ALL
		6,053,876		Fisher	04-25-2000	ALL
		6,161,034		Burbank, et al.	12-12-2000	ALL
		6,183,497	B1	Sing, et al.	02-06-2001	ALL
		6,228,055	B1	Foerster, et al.	05-08-2001	ALL
		6,231,834	B1	Unger, et al.	05-15-2001	ALL
		6,271,278	B1	Park, et al.	08-07-2001	ALL
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FOREIGN PATENT DOCUMENTS

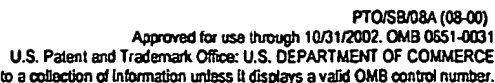
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
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Examiner Signature	Jessica R. Baxter	Date Considered	12/20/04
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Sheet 5 of 5

Application Number	09/776, 125
Filing Date	February 2, 2001
First Named Inventor	Foerster, Seth A., et al.
Group Art Unit	3731
Examiner Name	Jessica R. Baxter
Attorney Docket Number	END-723

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

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